

Delta Plan Chapter 4 Amendment: Update to the Delta Stewardship Council

Agenda Item 7d

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Sr. Environmental Scientist

July 24, 2018



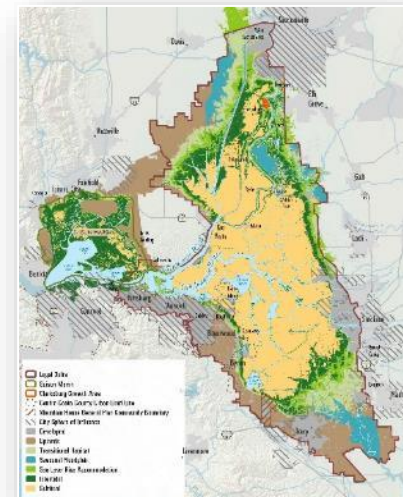
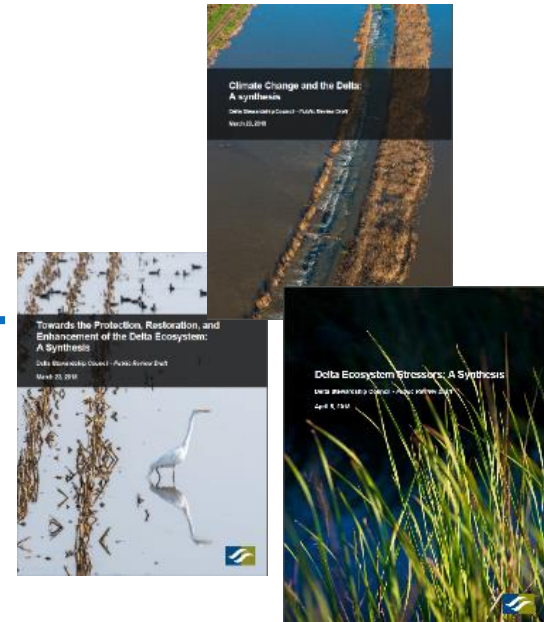
Overview of the Amendment Process

Outreach and Coordination

Science Synthesis Papers

Technical Analyses

- Refinement of Policies, Recommendations, and Performance Measures
- Updating the Chapter Narrative



Outreach

- Council Listening Sessions
- Staff Briefings and Outreach
- Ongoing outreach through selected forums
- Interagency Committee Meetings
- Council Meetings
- Ecosystem Amendment Open House




Science Synthesis Papers



Towards the Protection, Restoration, and Enhancement of the Delta Ecosystem: A Synthesis

Delta Stewardship Council - *Public Review Draft*

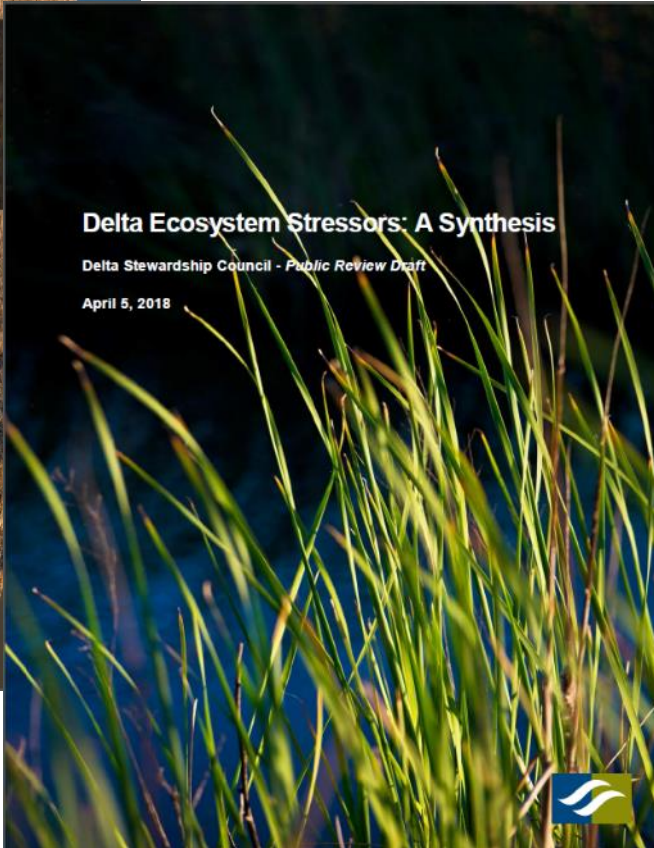
March 23, 2018



Climate Change and the Delta: A synthesis

Delta Stewardship Council - *Public Review Draft*

March 23, 2018



Delta Ecosystem Stressors: A Synthesis

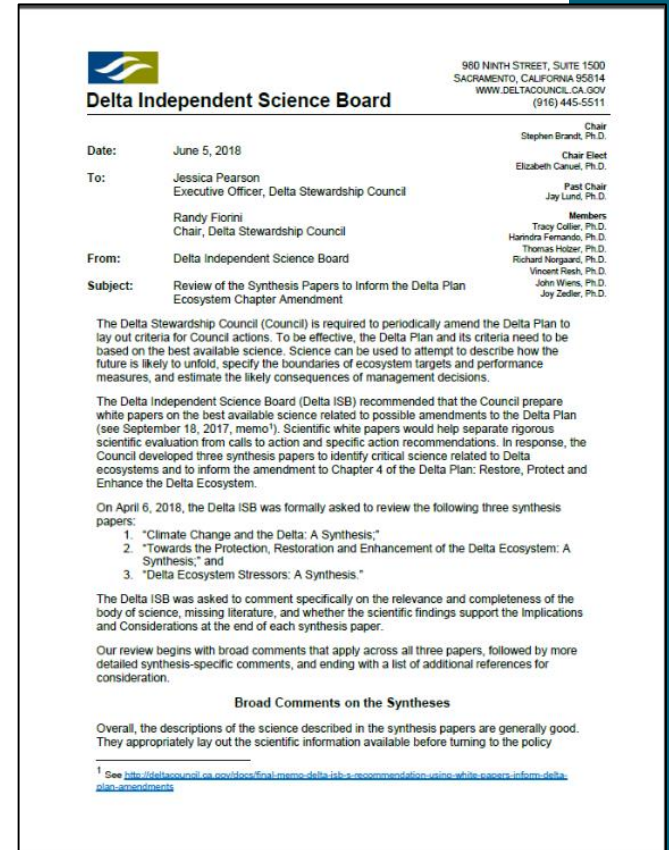
Delta Stewardship Council - *Public Review Draft*

April 5, 2018

Delta ISB Review

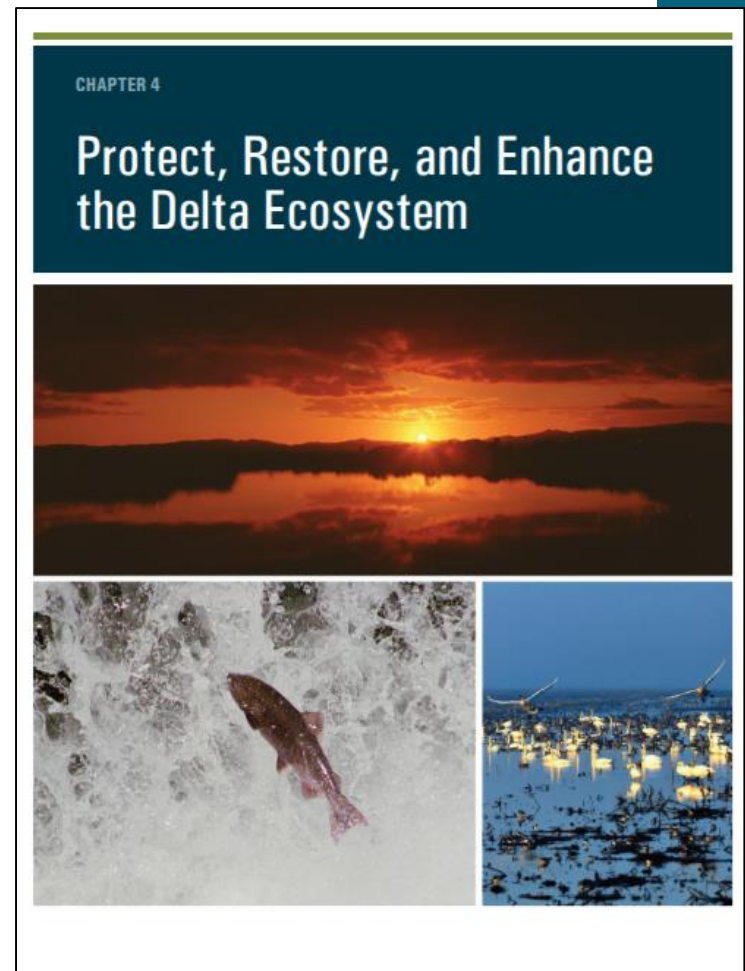
Selected comments:

- Consider deeper time frames – both past and future – and cultural aspects
- Clarify and improve accuracy of terminology
- Address uncertainty through adaptive management processes – including development of decision thresholds, and future science research needs
- Provide guidance on species management



Current Core Strategies

- Create more natural functional flows
- Restore habitat
- Improve water quality to protect the ecosystem
- Prevent introduction of and manage non-native species impacts
- Improve hatcheries and harvest management



Water Code Section: 85020 & 85054:

Protect and enhance the unique cultural, recreational, and agricultural values of the California Delta as an evolving place

Amendment Blueprint

Refining the core strategies:

- Integrate climate change considerations, resiliency concepts, and strategies
- Describe how restoration can engage and benefit society – including integration of social benefits as part of restoration planning
- Identify strategies to better define, study, and incorporate adaptive management in best management practices on agricultural lands
- Provide function-based quantitative targets for ecosystem restoration
- Identify strategies to address implementation challenges

Ecosystem Amendment Blueprint

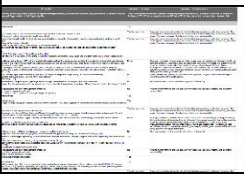
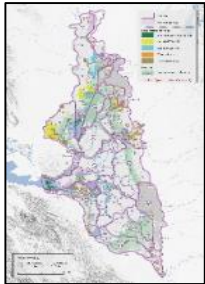
Conservation and Restoration Priorities

MacDonald et al. 2016
Palmer and Ruhl 2015
Suding et al. 2015
SFEI Resilient Landscapes
Davenport et al. 2016



Conservation and Restoration Actions

SFEI Landscape Planning Tool Pilot Analysis



Chapter 4 Narrative

(Goals and Objectives)
Quantitative Ecosystem Outcomes
Social Benefits – SLR Resilience

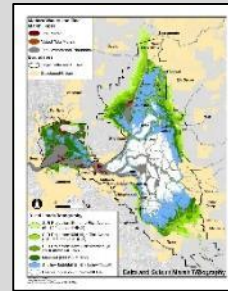
Ecosystem Amendment Framework

- Policies
- Recommendations
- Performance Measures

ER P2 Update – Map
ER P3 Update – Map
ER P4 Update

PM Datasheets

Supported Ecological Communities



Implementation – Supporting Documentation

- Restoration Science Support
 - Monitoring
 - Adaptive Management
- Land Acquisition and Management
 - Role of S-SJ Delta Conservancy
 - Long term O&M Funding
 - Private Public Partnerships
- Permitting Support
 - Permitting efficiencies
 - Program opportunities (e.g. RCIS/MCA) Funding
 - B/C Tools, Program/PSP Guidelines/Cost Share
 - Funding
- Local Government Engagement
 - Local Plans
 - Climate Vulnerability
- Delta Conservation Framework
 - Conservation Opportunity Region - Restoration Opportunities Analysis

Synthesis Papers



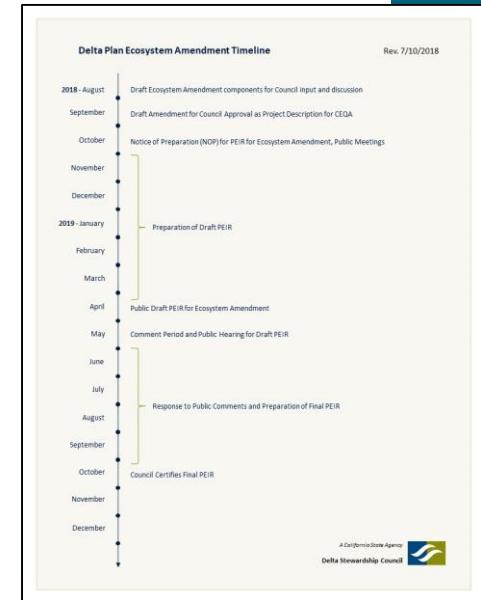
Outreach

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- Council Meetings
- Staff Briefings
- Open House



Project Timeline

- **August 2018** – Council Meeting presentation on draft Ecosystem Amendment Framework
- **September 2018** – Draft Ecosystem Amendment for Council Approval followed by Notice of Preparation (NOP) for Amendment PEIR
- **October 2018** – CEQA scoping meeting
- **November** – Council Approval of Project Description for Ecosystem Amendment PEIR
- **March-April 2019** – **Public review of Draft PEIR**
- **October 2019** – Certification of PEIR



Discussion